

# Technical Specification

**PRODUCT : BUTANOL-1 RPE - For analysis - ISO**

**CODE : 414130**

**MOLECULAR WEIGHT :74.12**

**CAS N° : 71-36-3**

**FORMULA : C4H10O**

| TEST                            | U.M.  | SPECIFICATION |
|---------------------------------|-------|---------------|
| Description                     | -     | Clear liquid  |
| Colour                          | APHA  | <= 10         |
| Identification (I.R.)           | -     | Conform       |
| Density at 20°C                 | -     | 0.808 - 0.810 |
| Boiling point                   | °C    | 116 - 119     |
| Water (K.F.)                    | %     | <= 0.1        |
| Residue on evaporation          | ppm   | <= 10         |
| Acidity                         | meq/g | <= 0.0008     |
| Alcalinity (NaOH)               | ppm   | <= 5          |
| Carbonyl compounds (as CO)      | ppm   | <= 200        |
| Acetone                         | ppm   | <= 100        |
| Isobutylalcohol                 | %     | <= 0.15       |
| 2-Butanol                       | %     | <= 0.05       |
| di-Butylether                   | %     | <= 0.1        |
| Butyraldehyde                   | ppm   | <= 200        |
| Readily carbonizable substances | -     | Conform       |
| Al                              | ppm   | <= 0.5        |
| Ba                              | ppm   | <= 0.1        |
| Ca                              | ppm   | <= 0.5        |
| Cd                              | ppm   | <= 0.05       |
| Co                              | ppm   | <= 0.02       |
| Cr                              | ppm   | <= 0.02       |
| Cu                              | ppm   | <= 0.02       |
| Fe                              | ppm   | <= 0.1        |
| Mg                              | ppm   | <= 0.1        |
| Mn                              | ppm   | <= 0.02       |
| Ni                              | ppm   | <= 0.02       |
| Pb                              | ppm   | <= 0.1        |
| Zn                              | ppm   | <= 0.1        |
| Assay (GC)                      | %     | >= 99.5       |

Soluble in water

It is under the customer responsibility to make sure the purchased product is suitable for his use and/or application.  
 CARLO ERBA Reagents would not be guilty of any misuse or mishandling of any of its products, occurring potential damages or user hurts in case of in